

HIGH FREQUENCY SWITCH

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- International: **H04B1/44; H04B1/18; H04B1/44; H04B1/18; (IPC1-7):**
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- European:

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Abstract of JP2000196495

PROBLEM TO BE SOLVED: To provide a small-sized and inexpensive high frequency switch with a small propagation loss.

SOLUTION: An anode of a diode D11 being a switching element is connected to a transmission terminal Tx of an antenna terminal side high frequency switch circuit 21a. A reception terminal Rx1 is connected to an antenna terminal ANT via a transmission line 23. Furthermore, an anode of a diode D12 is connected to the reception terminal Rx1. On the other hand, an anode of a diode D13 being a switching element is connected to the transmission terminal Tx of an external connection terminal side high frequency switch circuit 21b, in common use with the antenna terminal side high frequency switch circuit 21a, via a coupling capacitor C15. Moreover, a cathode of the diode D13 is connected to an external connection terminal Ex. A reception terminal Rx2 is connected to the external connection terminal Ex via a transmission line 25. Furthermore, an anode of a diode D14 is connected to the reception terminal Rx2.

